

What is claimed is

1. A molded body, comprising

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- at least one plant- or animal-derived fiber material,
 - at least one plastic, and
 - at least one water-binding biopolymer,

characterized in that

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its water content is $> 8.0\%$ by weight, preferably $\geq 8.5\%$ by weight, particularly preferably $\geq 9.0\%$ by weight and it is not expanded.

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2. The molded body as claimed in claim 1, **characterized in that** its water content is up to 15% by weight, preferably up to 12% by weight.

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3. The molded body as claimed in either of claims 1 and 2, **characterized in that** it comprises an amount of from 5 to 95% by weight, in particular from 30 to 80% by weight, of plant-derived fiber material, e.g. wood fibers, wood flour, wood chips, cellulose-containing materials, such as waste paper, hemp, straw, flax, agricultural fiber materials, or a mixture thereof.

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4. The molded body as claimed in any of claims 1 to 3, **characterized in that** it comprises an amount of from 2 to 90% by weight, in particular from 5 to 50% by weight, of thermoplastic or thermoset, e.g. polyethylene, polypropylene, PVC, melamine, polyurethane, polyester, polyamide, polymethyl methacrylate, polyvinyl acetate, polystyrene, polycarbonate, polybutene, or a mixture thereof.

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5. The molded body as claimed in any of claims 1 to 4, **characterized in that** it comprises an amount of from 5 to 50% by weight, in particular from 10 to 30% by

weight, of water-binding biopolymer, e.g. starch, starch-containing plant parts, pectin, lignin, hemicellulose, chitin, or a mixture thereof.

5 6. The molded body as claimed in any of claims 1 to 5, **characterized in that** its density is from 0.8 to 2.0 g/cm³, preferably from 1.0 to 1.5 g/cm³.

10 7. The molded body as claimed in any of claims 1 to 6, **characterized in that** it is obtainable via a shaping process that takes place under pressure, if appropriate after a plastic or thermoplastic forming process that takes place under pressure.

15 8. The molded body as claimed in claim 7, **characterized in that** it can be produced via compression molding, pelletizing, injection-compression molding, or injection molding.

20 9. A process for production of a molded body as claimed in any of claims 1 to 8, **characterized in that**

• plant- and/or animal-derived fiber material whose moisture content is from 5 to 20% by weight, preferably from 8 to 15% by weight, is mixed with at least one plastic, with at least one water-binding biopolymer, and, if appropriate, with water to give a raw material mixture whose moisture content is > 8% by weight, preferably up to 20% by weight, particularly preferably up to 15% by weight,

• the raw material mixture is, if appropriate, heated,

• the raw material mixture, if appropriate heated, is, if appropriate, formed - plastically or thermoplastically under increased pressure, and also, if appropriate, with increased temperature - to give a molding composition,

- the raw material mixture, if appropriate heated, or the molding composition is shaped under pressure, and also, if appropriate, with increased temperature, to
5 give a non-expanded molded body.

10. The process as claimed in claim 9, **characterized in that** the shaping process that takes place under pressure takes place via compression molding,
10 pelletizing, injection-compression molding, or injection molding.